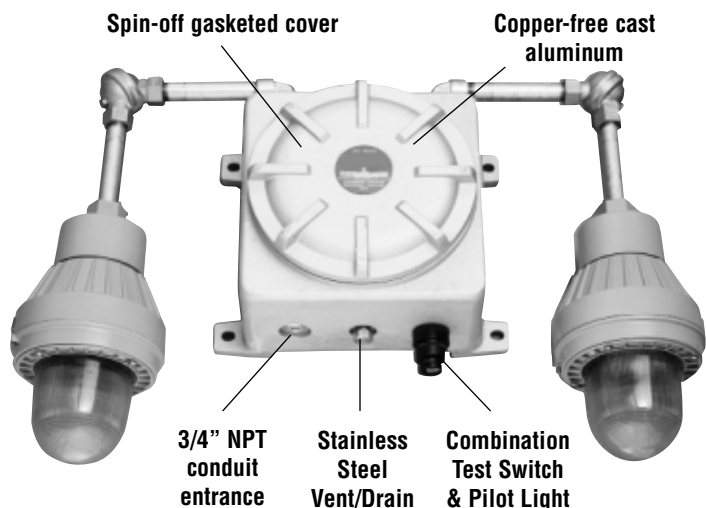


# SERIES EXP6N, EXP12N



## Explosion-proof 6 or 12 Volt Emergency Lighting system

**For Operation in Hazardous Areas**  
Class I, Div. 1 & 2, Groups C & D  
Class II, Div. 1 & 2, Groups E, F & G

### application

Series EXP explosion proof lighting systems are completely self-contained and designed to allow safe operation of the battery and electronics in the classified areas specified above. System consists of power unit and any combination of lighting fixture and/or exit signs. See "ordering format". The entire system can be located within the hazardous area. System is shipped with fixtures unmounted.

### features

- **CONSTRUCTION:** Manufactured in accordance with UL 844, 1203 and 924.
  - EXP systems feature an explosion-proof cabinet and spin-off gasketed cover, each constructed of one-piece heavy gauge corrosion resistant copper-free cast aluminum to prevent propagation of internally generated arcs into the hazardous atmosphere.
  - Silicone conformal coating on circuit board protect electronics against humidity.
- **ELECTRONICS:**
  - Automatic solid state charger.
- **CONTROLS:**
  - Combination test switch and AC On pilot light.
- **POWER REQUIREMENTS:** Dual input voltage transformer, 120/277 volts, 60 Hz.  
(Other voltages available on request.)

### battery

Series EXP-N feature sealed maintenance-free nickel cadmium batteries with sintered plate construction and steel jacket. These batteries feature long life, minimal gassing and superior resistance to temperature extremes.

### lamp & exit fixtures

Series EXP systems are designed so that one or two explosion-proof fixtures can be mounted on the cabinet, in various configurations, i.e., one lamp and one exit fixture, two lamp fixtures, two exit fixtures, etc. Fixtures mounted on the cabinet are ordered as part of the system by catalog number. See "ordering format".

**Lightalarms lamp fixtures** are heavy cast aluminum with pyrex® lenses. Medium Screw Base are standard, Double Contact Bayonet Base and Halogen lamps are optional. For complete information refer to the Series EPF401 and Series EPF402 spec sheets. Pyrex® is a registered trademark of Corning Glass.

**Lightalarms exit signs** are a rectangular, fabricated 14 gauge steel box with exit lettering on single face (X402) or double face (2X402). Exit are for DC or AC operation. For complete information refer to the Series X402 Spec sheet.

### ordering format

**Example 1: System with 2 lamp fixtures only**

EXP-6N-36	EPF402/LH7-6V	2
6V Explosion-Proof Unit	Lighting Head with 10W Halogen Lamp	Number of Heads Attached to Cabinet

**Example 2: System with 1 lamp fixture and 1 exit sign**

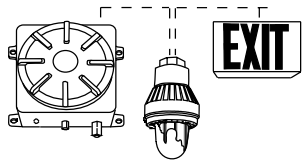
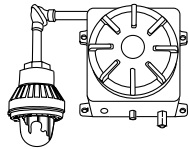
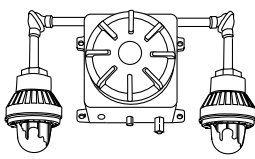
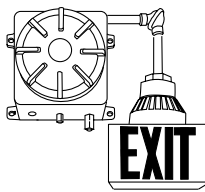
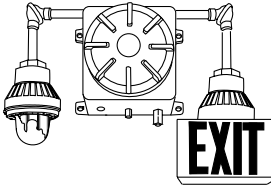
EXP-6N-25	EPF402/LH7-6V	X402
6V Explosion-Proof Unit	Lighting Head with 10W Halogen Lamp	Single Face Exit

### system selection chart

Volts	Unit Model No.	Input Watts	Capacity in Watts to 87-1/2% of Nominal Battery Voltage			
			1-1/2 Hrs.	2 Hrs.	4 Hrs.	8 Hrs.
6	EXP-6N-18	18	18	12	-	-
	EXP-6N-25	25	25	18	9	-
	EXP-6N-36	36	36	21	12	6
	EXP-6N-50	50	50	36	18	10
12	EXP-12N-36	36	36	21	12	6
	EXP-12N-50	50	50	36	18	10
	EXP-12N-72	72	72	42	24	12



### standard configurations for EXP

	EXP-12N-36 EXP-12N-50 EXP-12N-72	12 volt self-contained hazardous area emergency lighting power unit complete with battery and charger. For remote fixture applications, 12 volt equipment is suggested since longer wire runs/loads can be achieved. Consult fixture selection data sheet for appropriate fixtures.
	EXP-6N-18-EPF402/L18-6V EXP-6N-25-EPF402/L25-6V	Single head unit with 6 volt, 18 watt Double Contact Bayonet Base (DCBB) Incandescent lamp. Single head unit with 6 volt, 25 watt Double Contact Bayonet Base (DCBB) Incandescent lamp.
	EXP-6N-18-EPF402/L9-6V-2 EXP-6N-25-EPF402/LH7-6V-2 EXP-6N-36-EPF402/L18-6V-2 EXP-6N-50-EPF402/L25-6V-2	6 volt self-contained hazardous area emergency lighting power units complete with battery and charger. Each fixture supplied with one 9 watt DCBB lamp. Each fixture supplied with one 10 watt Halogen lamp. Each fixture supplied with one 18 watt DCBB lamp.
	EXP-6N-25-TS-X402-R	Self-contained unit with integral low voltage transfer panel (TS) to operate the 17 watt exit lamp in both normal and emergency modes. Suggested catalog number shown indicates single face exit with red stencil faceplate. For green, substitute G for R. For double face, substitute 2X402 for X402. Special colors and faceplate legends available. (Contact factory).
	EXP-6N-36-EPF402/L9-6V-TS-X402-R EXP-6N-50-EPF402/L25-6V-TS-X402-R	In addition to the 17 watt exit lamp which operates in both normal and emergency modes, greater emergency lighting can be achieved with (1) additional emergency lighting head. Each fixture supplied with one 9 watt DCBB lamp. Each fixture supplied with one 25 watt DCBB lamp.